

**ARMY
PRE-POSITIONED STOCK
SHELF-LIFE
OVERVIEW**

**Kenneth Pillar
Packaging Specialist**

**U.S.
Army
Materiel
Command**



**9th ANNUAL DoD-
INDUSTRY SHELF-LIFE
SYMPOSIUM**



Purpose



**Provide an orientation/overview of the
world wide**

Army Pre-positioned Stock (APS) program.

Army Pre-positioned Stocks

What are they?

Equipment & Supplies
in
Pre-Configured Brigade
and
Unit Sets
Plus Operational
Projects



Stored
In
Strategic
Locations
World
Wide



✓ A 2x1 Bde Set Includes:
(LCDXXI)

88 Tanks

54 BFVs

218 Other Tracked
Vehicles

906 Wheeled Vehicles

For Issue
to Deploying
Army Units
In support of
CINC and Army
Component
Cmd
War Plans



APS Types

- Army Pre-positioned Stock (Land)
 - Fixed land-based sites store unit sets of combat and combat support/combat service support equipment, operational project stocks, and war reserve sustainment stocks.
- Army Pre-positioned Stock (Afloat)
 - 16 ships
 - 8 Large Medium-Speed Roll-on/Roll-off (LMSR)
 - 3 Lighter Aboard Ship (LASH)
 - 2 Container Ship
 - 2 Heavy Lift Pre-Positioned Ship (HLPS)
 - 1 Auxiliary Crane Ship



The Army Vision

CSA Vision Speech

"The Most Esteemed Institution in the Nation, the Most Respected Army in the World, and the Most Feared Ground Force to Those Whose Actions Would Threaten the Vital Interests of the U.S."

"An Army of One"

→ 1 Bde in 96 hrs
▣ 1 Div in 120 hrs
▣ 5 Divs in 30 days

The Field Support Command Vision

To be the synchronizer for the warfighter providing force projection and force sustainment.

Roles and Missions



HQDA -- Strategic Guidance & Policy

- **Owner of the stocks (ODCSLOG/OTSC)**



HQ AMC -- Program Guidance & Direction

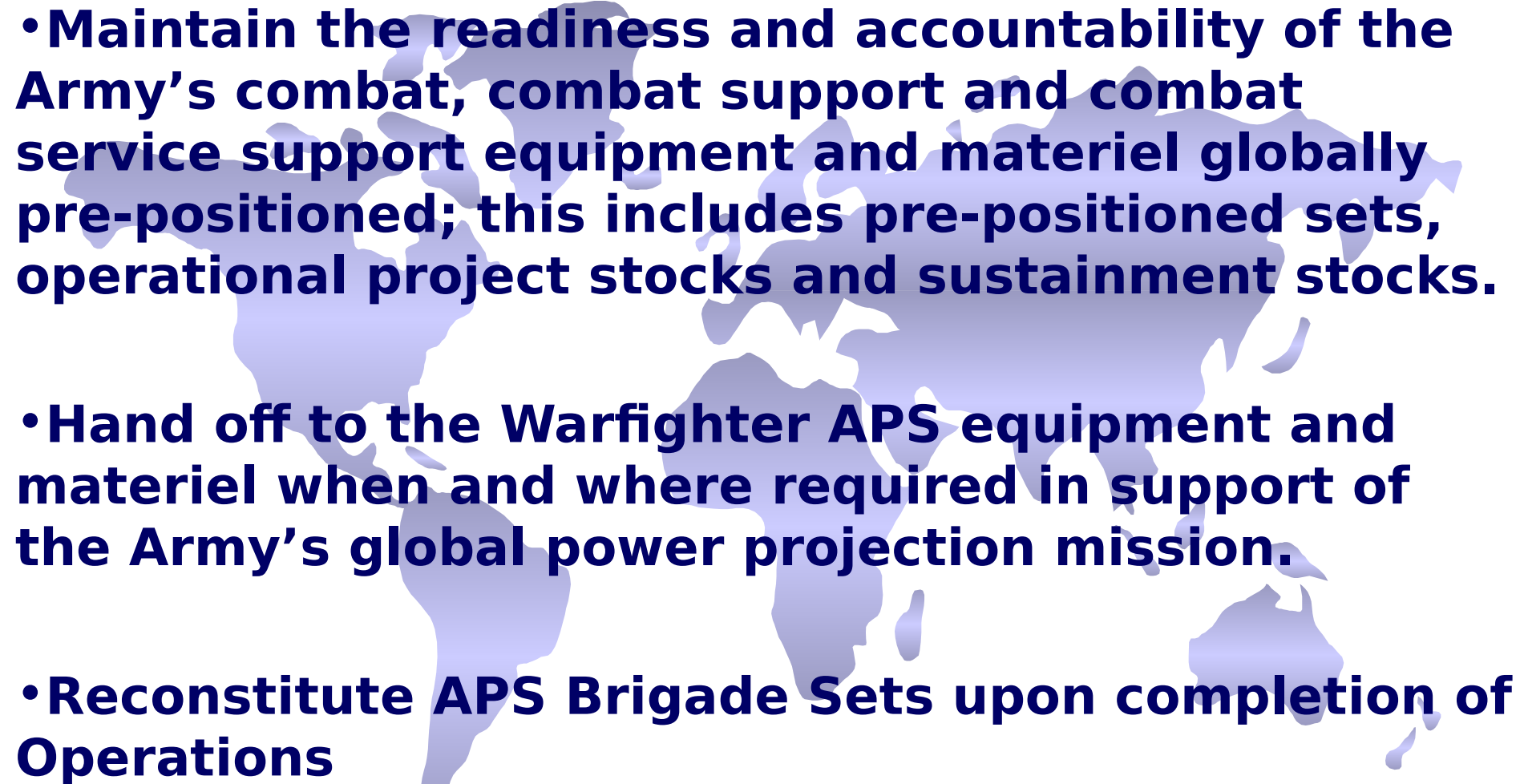
- **Accountability & Management**
- **Less Class VIII Medical (USAMMA)**

HQ OSC/FSC -- Program Execution

- **Command & Operations worldwide**
- **2 CEGs & 9 BNs/Bases**
- **15 ships**
- **1500 direct contractors**
- **More than Corps equivalent of equipment**
- **Issue in theater war or contingency**



Mission

- 
- **Maintain the readiness and accountability of the Army's combat, combat support and combat service support equipment and materiel globally pre-positioned; this includes pre-positioned sets, operational project stocks and sustainment stocks.**
 - **Hand off to the Warfighter APS equipment and materiel when and where required in support of the Army's global power projection mission.**
 - **Reconstitute APS Brigade Sets upon completion of Operations**



US ARMY OPERATIONS SUPPORT COMMAND



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*** Personal Staff** have direct access to the Commanding General as required. Day-to-day operations are under Deputy for Corporate Management.

*** Personal Staff**

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Command Chaplain	EEO Officer
Command Surgeon Officer	Public Affairs
PARC Chief	Small Business
AWPS Chief	Safety/RAD
Waste Chief	
Business Relations Chief	ARMS Chief

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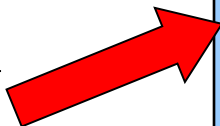
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US ARMY FIELD SUPPORT COMMAND CONTINUED



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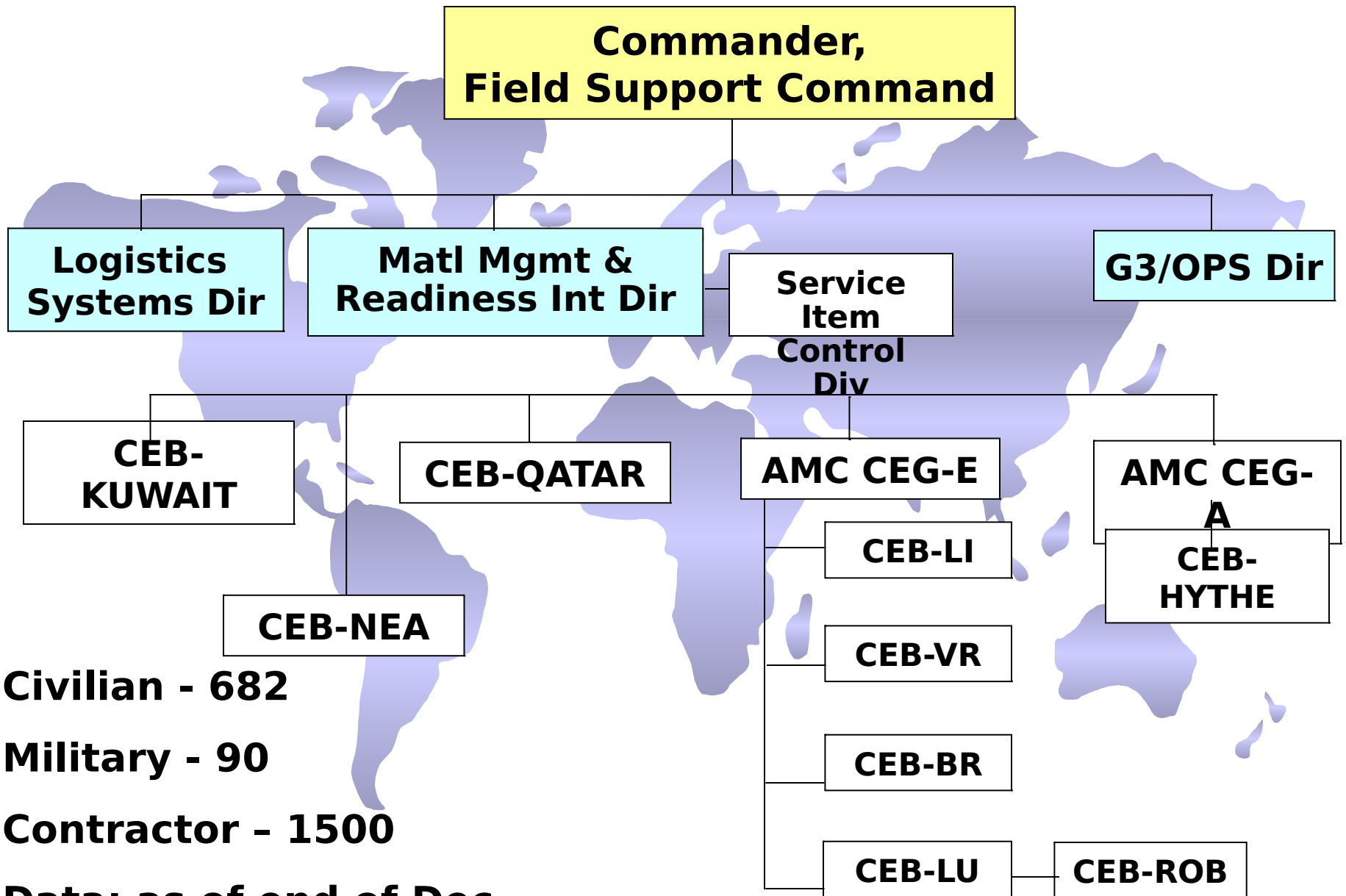
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Every day, the Field Support Comm

- 
- **Manages eight brigades of Materiel and Sustainment Stocks for an Army Corps in 13 countries with a multi national workforce.**
 - **Executes and administers multiple contracts to provide worldwide contractor Logistic Support and Maintenance of APS stocks, totaling \$56.5M yearly**
 - **Executes and administers Host Nation agreements totaling \$23.6M.**
 - **Manages over \$13M in Logistics Systems Automation Contracts.**
 - **Updates ABS-BattleWeb database every 15 minutes.**
 - **Ensures APS materiel is issued in a Ready to Fight Status.**
 - **Tracks Readiness Condition of APS equipment configured in 231 Unit Sets.**
 - **Makes materiel allocation decisions to improve Readiness**

CG, Field Support Command



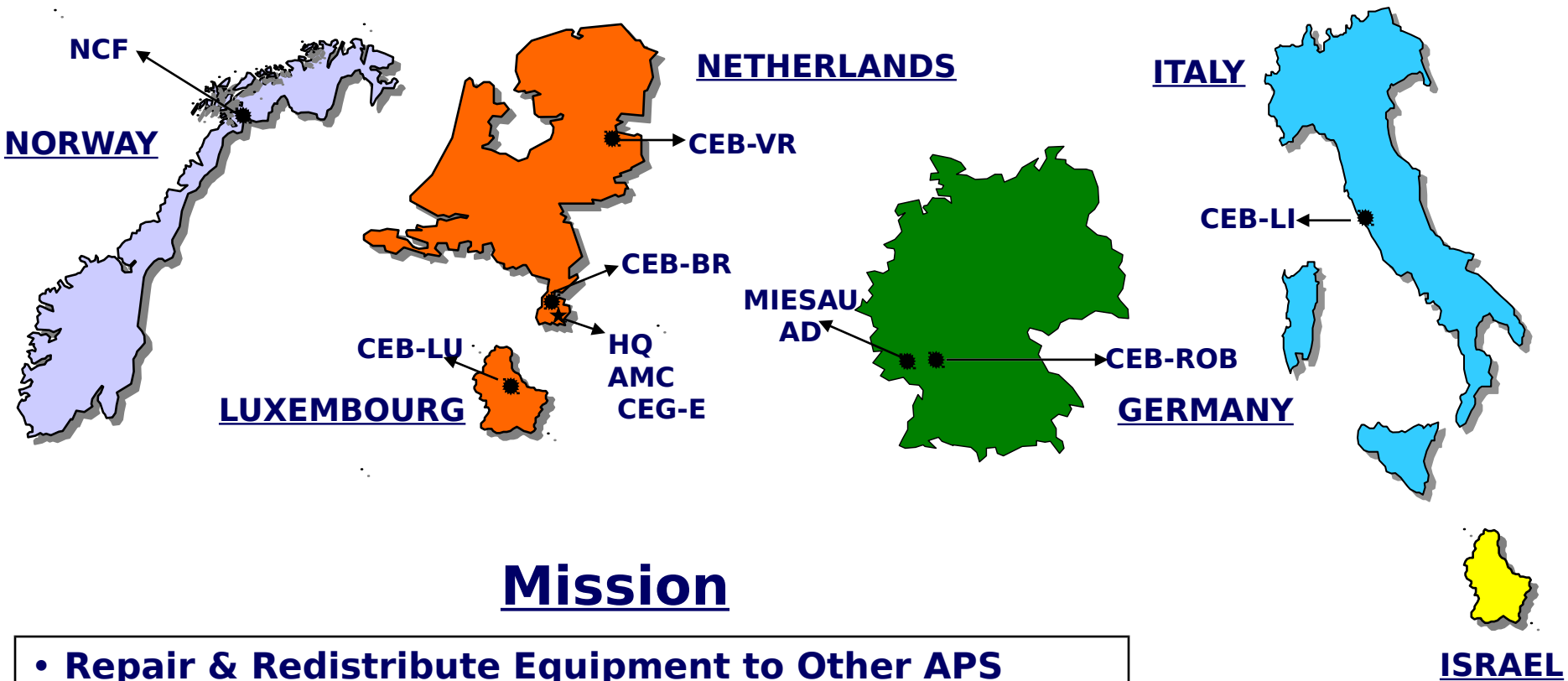
Civilian - 682

Military - 90

Contractor - 1500

Data: as of end of Dec

APS-2 Europe



Mission

- Repair & Redistribute Equipment to Other APS Theaters
- Repair & Reconfigure APS-2
- Support Balkans CONOPS, as required
- Maint/Supply Support for Immediate Ready Force
- Ammo Opns for War Reserve Stocks Allies - Israel
- Store/Maint FA BN/NATO Composite Force

NCF - NATO Composite Force
ROB -Rhine Ordnance
Barreacks



AMC COMBAT EQUIPMENT GROUP - EUROPE



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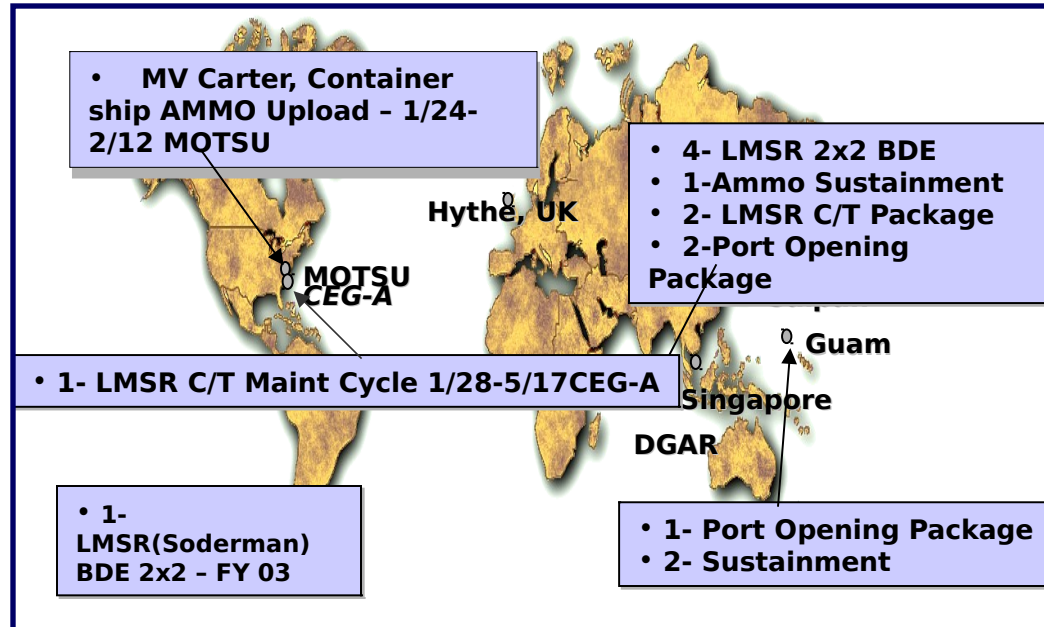
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APS-3 Afloat



Mission

- **Maintain Prepositioned Stocks**
- **Coordinate Afloat Mission**
- **Port Opening Packages**
- **Issue Equipment in Area Of Responsibility**
- **Contractor Oversight**
- **Reconstitute APS**



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APS-4 Far East / Pacific

SOUTH KOREA

JAPAN

HAWAIIAN ISLANDS

**CAMP CARROLL
CEB-NEA/MSC-K**

**SAGAMI DEPOT ACTY
35TH S&S BATTALION**

WHEELER

OAHU

**PUSAN
STORAGE
FACILITY (PSF)**

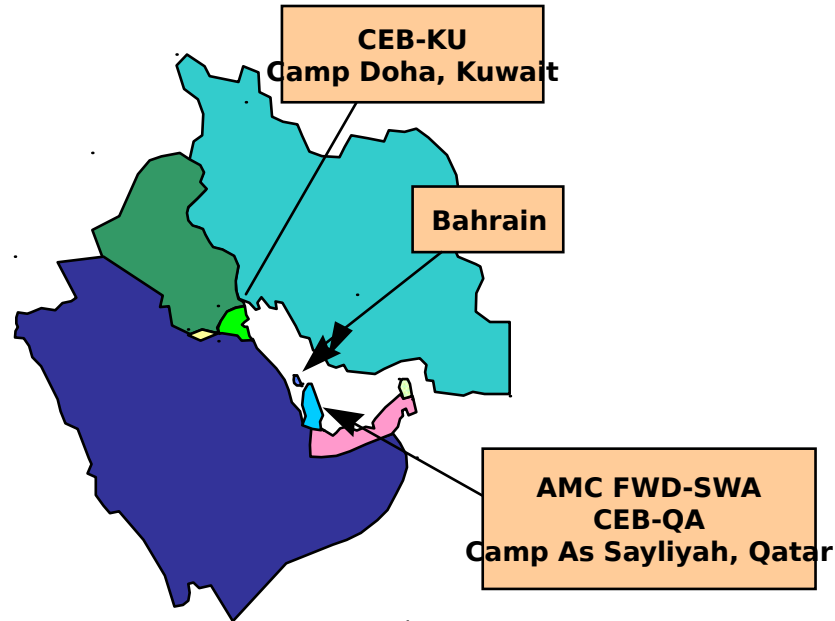
OKINAWA

Mission

- Maintain 2X1 Brigade Set, 25 Operational Project Codes, Sustainment Stocks and Allied Materiel to Fightable Standard
- Conduct Readiness Reporting
- Transfer APS-4 Assets to Warfighter in Event of Contingency

APS-4 Can Fight Tonight

APS-5 Southwest Asia



Missio

- **Maintain Prepositioned Stocks (2 2X1 Bdes, Div Base, Avn Bde, 10 Op Projects, Sustainment Stocks)**
- **Coordinate Supply/Maint/Port Ops**
- **Issue Equipment to Warfighter**
- **Contractor Oversight**
- **Readiness Reporting**

THE BOTTOM LINE :

Army Prepositioned Stocks are a Critical Component of the Army's Strategic Mobility

Power Projection Thru Global Prepositioning Ready Forces

Vital to Army Warfighters Strategic



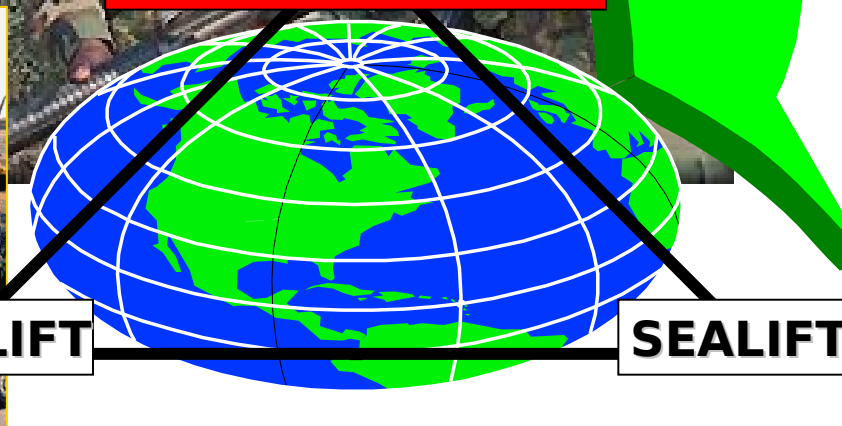
GLOBAL PREPO

Serving the Soldier

PROUDLY

AIRLIFT

SEALIFT

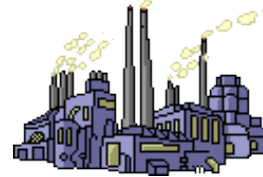


Army Total Asset Visibility

Managers will be capable of :

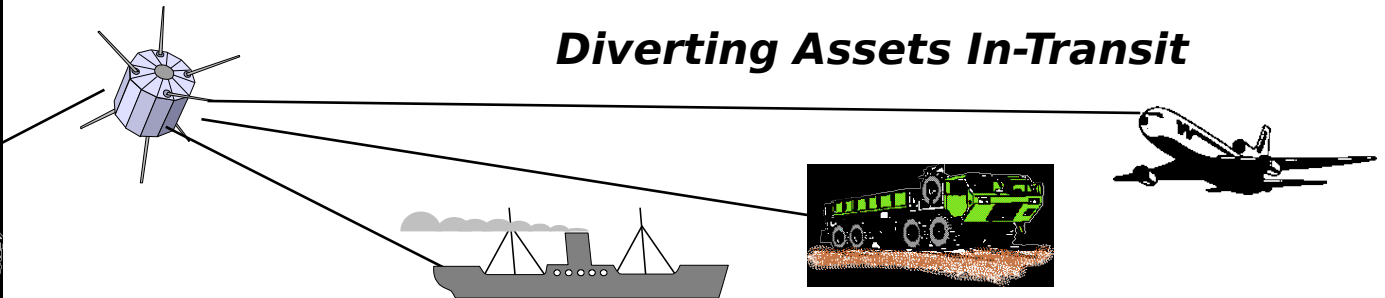


Providing Effective Use of Existing Stocks



**Repairs
Depots
Field / SSA**

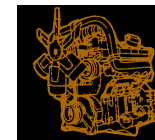
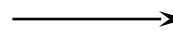
Diverting Assets In-Transit



**Combat Commanders
will have Asset Visibility**

Buying Only What is Needed

SSA 1



SSA 2

Cross Level Supplies

USAMC LOGSA--Supporting Warfighters Globally



SHELF-LIFE REFERENCES

DoD 4140.27-M, Shelf-Life Manual

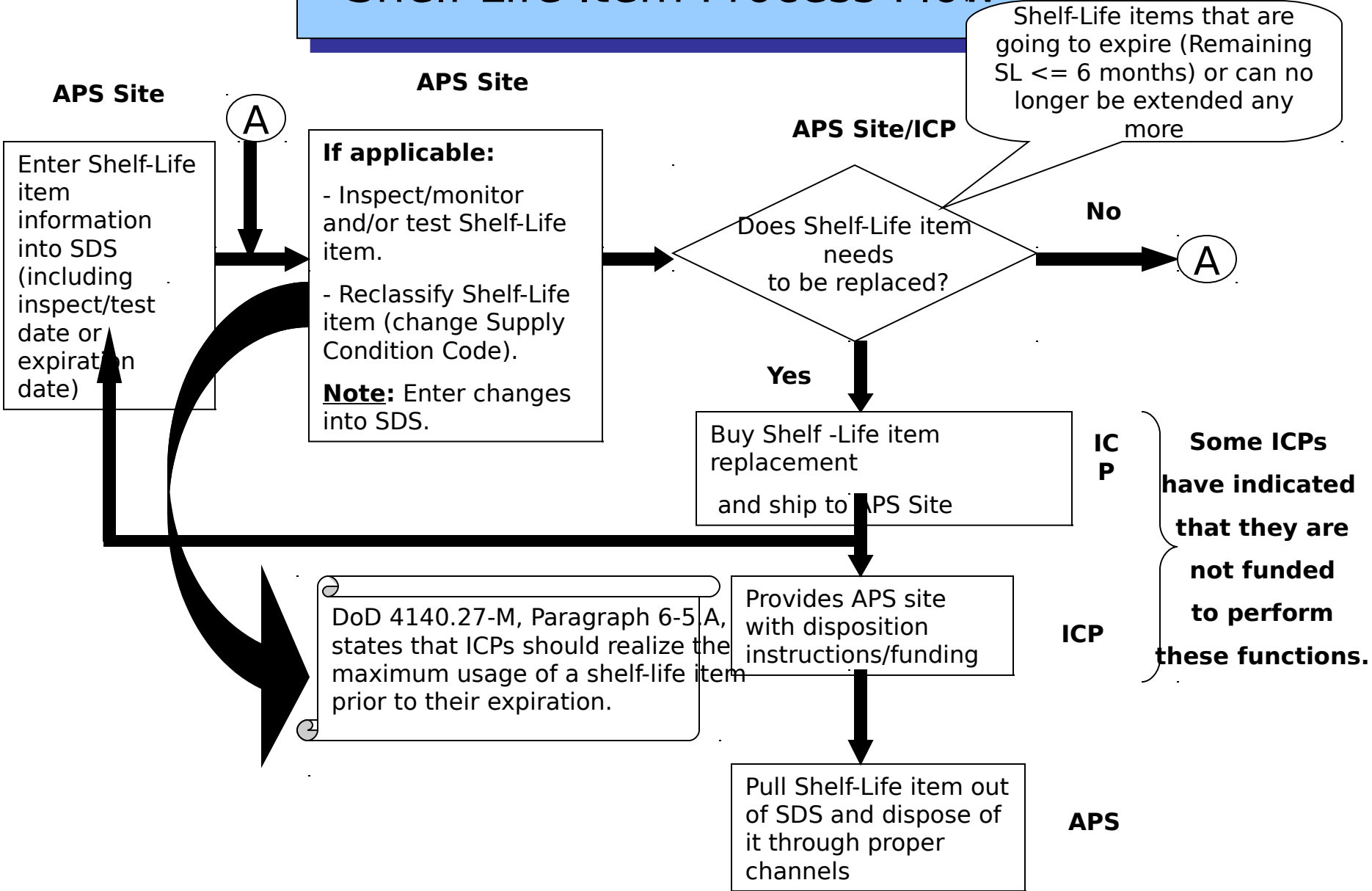
- AR 702-18, Materiel **Quality Control** Storage Standards
 - AR 708-1, Cataloging and Supply **Management Data**
 - AR 710-2, **Inventory** Management Supply Policy Below the Wholesale Level
 - AR 740-1, Storage and Supply Operations
 - AR 740-3, Care of Supplies in Storage
 - AR 740-15, Storage of Military Service Owned Retail Stocks in the DLA Materiel Distribution System
 - AR 715-13, **Engineering Support** for Items Supplied by DLA/GSA
 - TM 38-400, Joint Service Manual for Storage and Materials Handling
 - TM 38-410, Storage and Handling of **Hazardous Materials**
 - TM 38-470, Storage and **Maintenance** of Army Prepositioned Stock Materiel
 - TM 38-703, Integrated Logistics Support Management Guide
 - MIL-HDBK-502, **Acquisition** Logistics (LOGSA)
 - TM 743-200-1, **Storage** and Materials Handling
 - TM 743-200-3 or TM 746-10, General **Packaging** Instructions for Field Units
 - FM 10-15, Basic Doctrine for Supply and Storage
-
- SB 3-, 11-, & 740- series, Storage Serviceability Standards
 - FM 10-23, Basic Doctrine for Army Field Feeding and **Class I** Operations Management
 - SB 742-1, **Ammunition** Surveillance Procedures
 - MIL-STD-3004, Quality Surveillance for **Fuels, Lubricants**, and Related Products
 - AR 702-16, **Chemical Materiel** Stockpile Reliability Program
 - AR 702-4C, Quality Assurance Manual for Clothing, **Textiles**, and Life Support Items
 - AR 40-61, **Medical** Logistics Policies and Procedures

**Multi-
Functional**

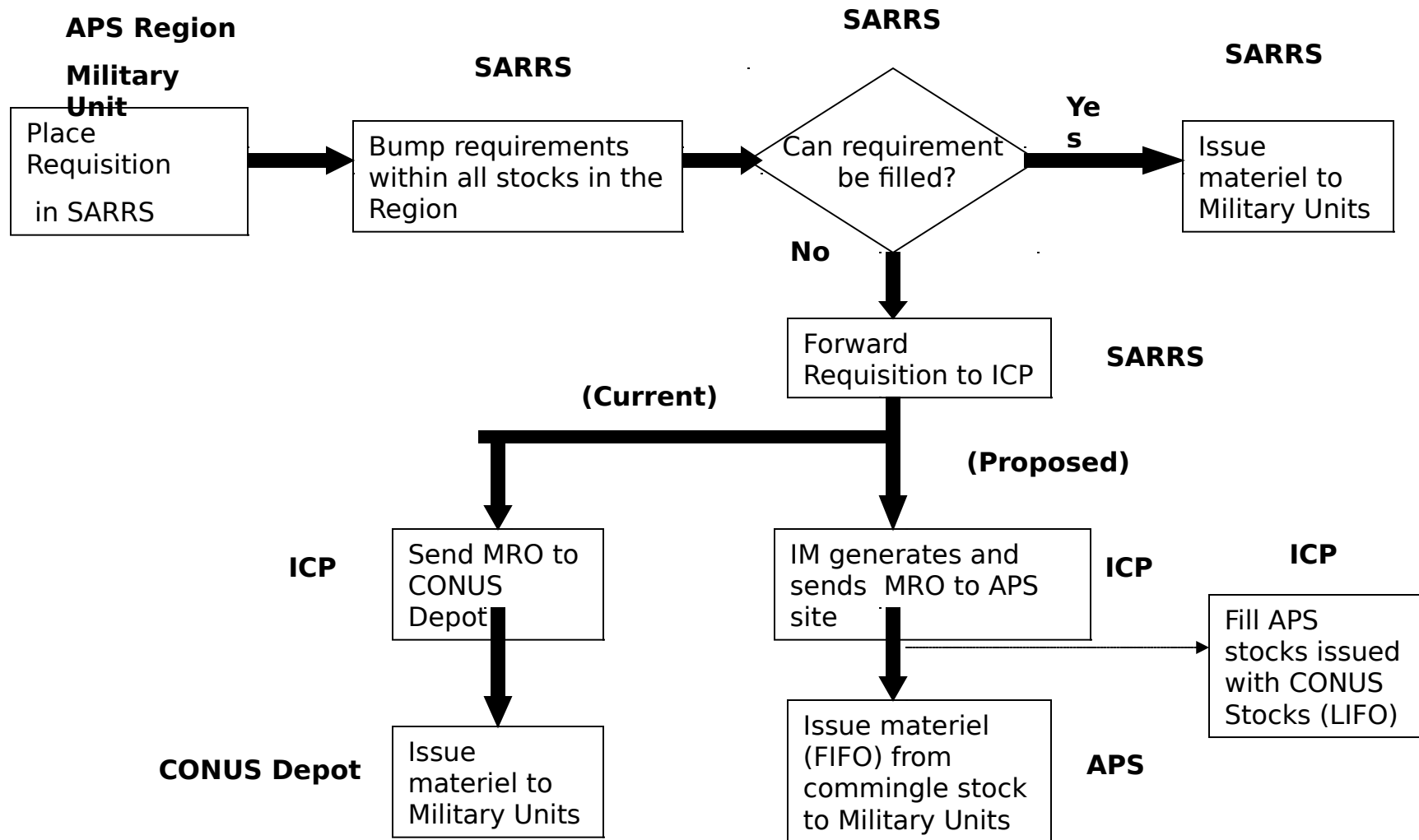
**Commodity
Specific**



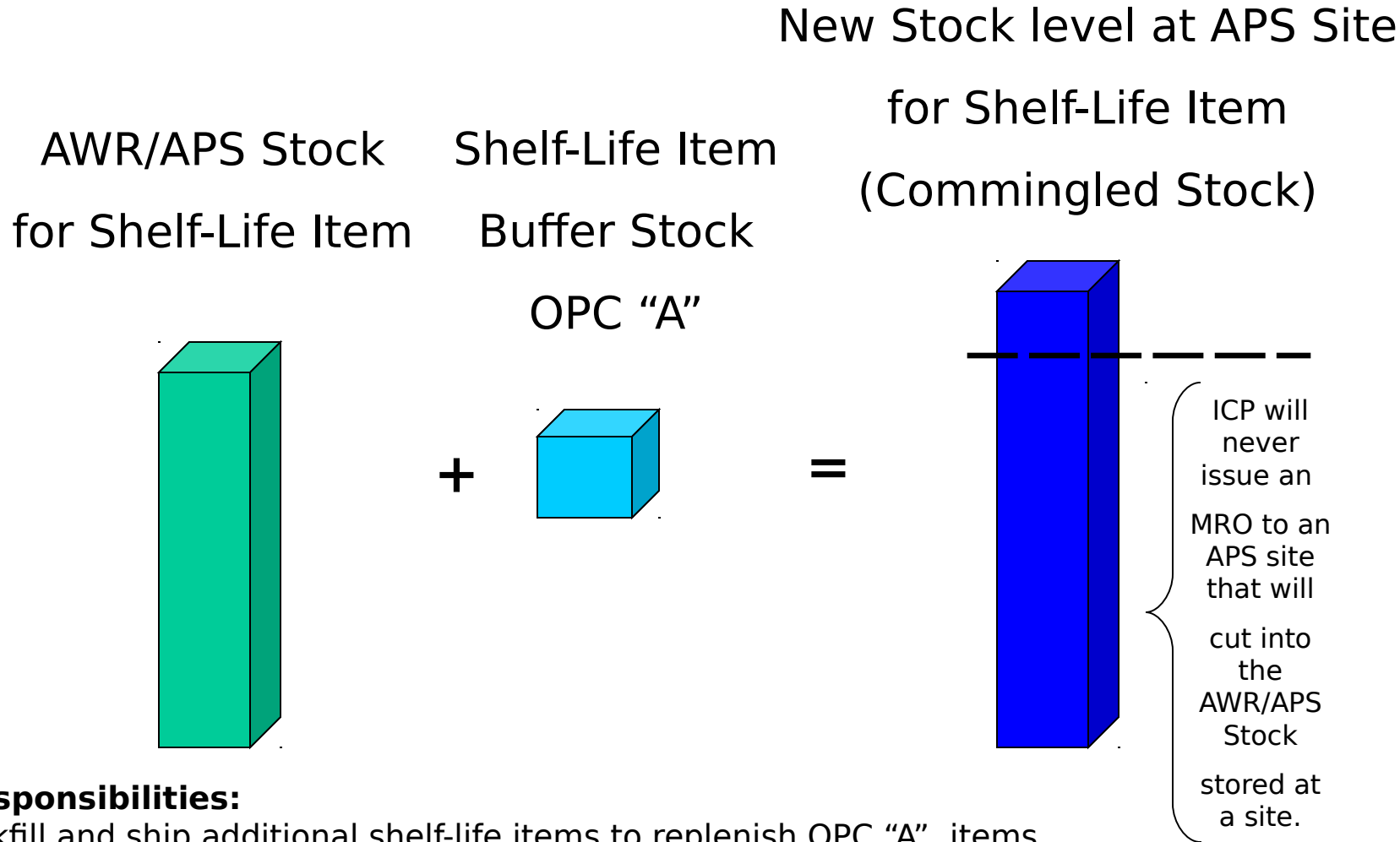
Shelf-Life Item Process Flow



Stock Rotation Concept



Stock Rotation Concept



ICP Responsibilities:

- (1) Backfill and ship additional shelf-life items to replenish OPC "A" items issued.
- (2) Determine and adjust the amount of backfill required as demand for the item develops.

To Accompany Troops (TAT) & Not Authorized Pre-positioning (NAP)

REASONS

- High Dollar
- Classified
- Pilferable
- Unavailability
- Short shelf-life
- Partial Sets / Assemblies

EXAMPLES

- Aircraft and avionics
- Clothing (sized items)
- Individual weapons
- Binoculars/Cameras/Watches
- Missiles
- Night vision
- Band and musical equipment
- ADP equipment

Shelf-Life Time Period Codes

			Required Number of Months/Quarters Remaining Upon Receipt by the first Government activity	
Shelf-Life Period	Type I	Type II	Months	Quarters
Non-Deteriorative No Shelf-Life Applies	0 (zero)	0 (zero)	N/A	N/A
01 Month	A	N/A	25 days	N/A
02 Months	B	N/A	50 days	N/A
03 Months	C	1	75 days	N/A
04 Months	D	N/A	3	1
05 Months	E	N/A	4	1
06 Months	F	2	5	2
09 Months	G	3	8	3
12 Months (1.00-Year)	H	4	10	3
15 Months (1.25-Years)	J	N/A	13	4
18 Months (1.50-Years)	K	5	15	5
21 Months (1.75-Years)	L	N/A	18	6
24 Months (2.00-Years)	M	6	21	7
27 Months (2.25-Years)	N	N/A	23	8
30 Months (2.50-Years)	P	N/A	26	9
36 Months (3.00-Years)	Q	7	31	10
48 Months (4.00-Years)	R	8	41	14
60 Months (5.00-Years)	S	9	51	17
72 Months (6.00-Years)	I	N/A	61	20
84 Months (7.00-Years)	T	N/A	71	24
96 Months (8.00-Years)	U	N/A	82	27
Variable such as: 90, 132, 216, 228, etc. Months or any other number of months not specifically assigned.	V	N/A	77, 113, 184, 194, etc.	26, 38, 61, 65, etc.
120 Months (10-Years)	W	N/A	102	34
180 Months (15-Years)	Y	N/A	153	51
240 Months (20-Years)	Z	N/A	204	68
Shelf-Life Period Greater than 60 Months for Type II Extendible Items.	N/A	X	85 percent of number of months	85 percent of number of quarters

Shelf-life Profile --- Location/Time

SLC	APS 1	APS 2	APS 3	APS 4	APS 5	Total
1		1,376.61	0.00	1,126.23		1,126.23
2			3,412.13			3,412.13
3			409.57			409.57
4	56,475,715.06	25,419,343.43	36,018,274.88	93,095,381.50	33,325,724.85	230,666,337.24
5	5,892.60	2,252.78	33,198.14	52,498.11	1,235.95	93,460.71
6	14,900.08	572,456.04	428,321.24	2,602,880.17	80,685,130.60	83,797,393.01
7	2,399,041.90	4,271,419.65	36,297,737.82	5,506,678.99	329,656.92	47,411,143.54
8		35,015.12	15,948.65	245,014.40	19,856.72	287,495.90
9	26,050,850.55	9,255,149.62	19,780,807.41	27,553,368.84	33,114,427.58	110,047,368.41
D		76,168.56				76,168.56
H			193.88	50,890.54		51,084.42
I		63,777.30	542,745.48	1,357,282.34	788,135.18	2,751,940.30
J				597.20		597.20
K		21.79	98.74	65,585.06		65,705.59
M		281.76	6,519.80	883,394.93	606.90	890,803.39
N		158,502.72		158,502.72	1,317,257.20	1,634,262.64
P			236.98	57,126.68		57,363.66
Q		4,765.77	44,930.89	998,705.38	22.29	1,048,424.33
R			4,917.39	42,622.24		47,539.63
S		140,106.34	841,967.16	670,788.43	509,259.50	2,162,121.43
U		4,825.94	10,410.36	2,140.21	16,111.75	33,488.26
W		927.18	296.19	325.92	93.14	1,642.43
X		27,298.79	8,245.83	144,660.51	48.45	180,253.58
Y		75.46	660.13	782.53	76.79	1,594.91
Z		358.64	25.36	565.21	111.56	1,060.77
Grand Total	84,946,400.19	40,034,123.50	94,039,358.03	133,490,918.14	150,107,755.38	502,618,555.24

Current Shelf-life Issues

- Tires
- Battery Acid
- Petroleum, Oils, and Lubricants
- Nuclear, Biological, and Chemical
Defense Protection Equipment
and Clothing



USAMC LOGSA--Supporting Warfighters Globally



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USNS SISLER PASSING USNS DAHL VICINITY OF CHARLESTON SEA BUOY

04/14/02

PHOTO COURTESY OF MSCLANT DET CHARLESTON



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